

Curriculum Vitae

Fasil Tekola-Ayele, Ph.D.

Earl Stadtman Investigator

Epidemiology Branch, Division of Intramural Population Health Research,
Eunice Kennedy Shriver National Institute of Child Health and Human Development,
National Institutes of Health
6710B Rockledge Drive, Room 3204
Bethesda, MD 20817
E-mail: ayeleft@mail.nih.gov
Tel: 301-827-6518

EDUCATION

- 2010 PhD Genetic Epidemiology, Brighton and Sussex Medical School, Universities of Brighton and Sussex, UK (2007-2010)
2005 MPH Public Health, School of Public Health, Addis Ababa University, Ethiopia (2003 – 2005)
2002 BSc Public Health, Debub University, Ethiopia (1998- 2002)

APPOINTMENTS

- July 2016 – present **Earl Stadtman Investigator**, Epidemiology Branch, Division of Intramural Population Health Research, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD, USA
- Jan 2014 – July 2016 **Research Fellow**, Center for Research on Genomics and Global Health/Metabolic, Cardiovascular and Inflammatory Disease Branch, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD, USA
- March 2015 – July 2016 **Visiting Scientist**, Analytical Genomics of Complex Traits Group at the Wellcome Trust Sanger Institute, Cambridge, UK
- Dec 2010 – Jan 2014 **Postdoctoral Fellow**, Center for Research on Genomics and Global Health, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD, USA
- June – November 2010 **Research Manager**, Mossy Foot Treatment and Prevention Association Addis Ababa Office, Ethiopia
- June- Dec 2008 & 2009 **Special Volunteer**, Center for Research on Genomics and Global Health, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD, USA
- June 2005 – Mar 2007 **Research Assistant and Coordinator**, National HIV/AIDS Service Provision Assessment Project, School of Public Health, Addis Ababa University, Ethiopia
- Sep 2002 – Sep 2003 **Clinician and Community Health Coordinator**, Gindo Health Center, Ethiopia

PROFESSIONAL SERVICES

Editorial boards

2015-present	Associate Editor (Editorial Board Member) for <i>PLOS Neglected Tropical Diseases</i>
2015-present	Editorial Board Member for <i>Global Health, Epidemiology & Genomics</i> journal
2012-2014	Guest/Associate Editor for <i>PLOS Neglected Tropical Diseases</i>

Invited ad-hoc reviewer

2016	Global Health, Epidemiology and Genetics; The Pharmacogenomics Journal; International Health; Molecular Genetics and Genomics; PLoS NTD
2015	Public Health Genomics, AIDS Care, International Health, International Journal of Tropical Disease and Health, BMC Genetics, The Journal of Rheumatology, BMC Infectious Diseases, Pediatrics
2014	Public Health Genomics, International Health, DNA and Cell Biology, The Pharmacogenomics Journal, The Journal of Rheumatology, PLoS ONE, International Journal of Environmental Research and Public Health
2013	BMC Public Health
2012	American Journal of Tropical Medicine and Hygiene, BMC Public Health, Progress in Health Sciences, Travel Medicine and Infectious Disease, PLOS Neglected Tropical Diseases, Indian Journal of Community Medicine
2011	AIDS Care, Indian Journal of Community Medicine
2010	AIDS Care, Indian Journal of Community Medicine, Ethiopian Journal of Health Development, Educational Research, Journal of Public Health and Epidemiology
2009	PLOS Neglected Tropical Diseases, Social Aspects of HIV/AIDS Research Alliance (SAHARA), Indian Journal of Community Medicine, International Journal of Medicine and Medical Sciences
2008	AIDS Care, Ethiopian Journal of Health Development

Memberships in committees/professional societies

2014-present	Member: American Diabetes Association
2014-2015	Member: American Society of Tropical Medicine and Hygiene.
2013-present	Board Member: African Society of Human Genetics.
2011-present	Steering Committee Member: The International Podoconiosis Initiative.
2012-2014	Member: Cross-consortium for Pleiotropy of Metabolic Traits and Inflammatory Disorders.
2012-present	Member: American Society of Human Genetics.
2012-2014	Member: Royal Society of Tropical Medicine and Hygiene.
2009-2015	Member: Community Genetics Network.
2008-present	Member: African Society of Human Genetics.
2005-present	Member for Life: Ethiopian Public Health Association.

Other professional activities

2016	Committee Member: NIH Fellows Award for Research Excellence (FARE)
2016	Abstract Reviewer: The 9 th Congress of the African Society of Human Genetics in partnership with the Human Heredity and Health in Africa Initiative (H3Africa)
2015	Abstract Reviewer: The 13 th International Congress of Human Genetics (ICHG 2016).
2015	Poster Judge: NIH Post-baccalaureate Poster Day, Bethesda, MD, April 30, 2015.
2015	Judge for ASHG's 2015 DNA Day Essay Contest. March 2015
2014	DNA Day Ambassador: The Richard Montgomery High School Science National Honor Society, MD. April 25, 2014.
2014	Judge for ASHG's 2014 DNA Day Essay Contest. March 2014.
2013	Poster Judge: NIH Post-baccalaureate Poster Day, Bethesda, MD, May 1, 2013.

RESEARCH SUPPORT

- Genetics of fetal growth and related traits in multi-ethnic US populations. NIH grant 2016-2017 (\$774,129). Role: Principal Investigator
- Investigation of the pathogenesis of podoconiosis using RNAseq and immunopathologic approaches. NIH grant 2012-2017 (\$124,540). Role: Co-Principal Investigator
- Discovering podoconiosis susceptibility genes: from molecules to disease control for a neglected NTD'. UK Medical Research Council grant, 2012-2016 (£791,000. PI: Melanie Newport). Role: co-applicant/consultant

TEACHING/LECTURE

2014	African Leadership Foundation BARAZA 2014, Washington DC, USA: Co-led workshop on application of genomics research to disease research in Africa, Jan 11, 2014.
2013	University of the District of Colombia, Washington DC, USA: Course – biology 101, topic – “Mapping Genomes”, Sep 18, 2013.
2013	Prince George’s Community College, Maryland, USA: Lecture – “From Public Health to Genomics and Back: Translational Genomics in a Global Health Setting”, Nov 21, 2013
2012	Instructor in the course (course ID:415.840.92) “Application of Genomics to Public Health Challenges” organized by SBRB/NHGRI and Johns Hopkins Bloomberg School of Public Health (NIH, Bethesda, USA, May 25, 2012). <i>Lecture topic: Disease prevention in a global health context.</i>
2005-2006	Addis Ababa University (School of Public Health and School of Medical Laboratory Technology), Addis Ababa, Ethiopia: Courses including Epidemiology, Biostatistics, Health Services Management, and Health Economics.

CONSULTING

2010	Consultant: Evaluation Report of Grassroots Empowerment for Combating HIV and AIDS in Dire, Miyo and Yabello Woredas, Ethiopia, 2010 (Action for Development, Ethiopia)
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- 2010 Consultant: Assessment of Determinants of Utilization of Maternal and Childhood Services, and Cost of Services Provided in Health Centers in Legambo woreda, Ethiopia, 2010 (Save the Children UK, Ethiopia)
- 2009 Consultant: Development of an operational manual for establishment of private wings in public hospitals of Ethiopia and outsourcing of non-clinical services, 2009 (Federal Ministry of Health of Ethiopia, Abt. Associates, Banyan Global USA)
- 2009 Consultant: Integrated Management of Neonatal and Childhood Illness Health Facility Survey: Oromia and SNNPR Regions, Ethiopia, 2009 (Save the Children USA- Ethiopia Country Office)
- 2009 Coordinator: National Private Health Sector Exhibition in Ethiopia, 2009 (USAID, MAPPP-E, Banyan Global, Abt. Associates)
- 2008 Consultant: TB/HIV Service Provision Assessment of Private Health Facilities in Ethiopia: the case of Amhara, Oromia and Addis Ababa regions, 2008 (USAID/PSPE)
- 2007 Consultant: Developing National Human Resource for Health (HRH) Strategy in Ethiopia, 2007 (Federal Ministry of Health, JHPIEGO, World Health Organization, Italian Cooperation & World Bank).
- 2007 Consultant: Stigma, Discrimination and Denial of Religious Leaders in Ethiopia, 2007 (Ethiopian Interfaith Forum for Development Dialogue and Action).
- 2007 Consultant: Assessment of Unit Cost of Health Services for Setting National Health Insurance Premiums in Ethiopia, 2007 (Federal Ministry of Health, World Health Organization, World Bank, USAID-ESHE)
- 2006 Co-Investigator: Developing an Alternative Health Financing Model for Debresina District, Wollo, Ethiopia, 2006 (London School of Hygiene & Tropical Medicine and Save the Children UK).
- 2005 Research Assistant: Inventory and Synthesis of the Epidemiology and Impact of Trachoma in Ethiopia, 2005 (International Trachoma Initiative-Ethiopia).
- 2005 Regional Coordinator: A National Survey of Magnitude and Prevalence of Fistula in Ethiopia, 2005 (The Addis Ababa Fistula Hospital).

AWARD/HONOR/RECOGNITION

- 2014 Intramural Research Award – NHGRI/NIH, Dec 2014, Bethesda, MD USA.
(This is given by NHGRI annually “...in recognition of meritorious research accomplishments in the Division of Intramural Research...”)
- 2012 Genome Technology Young Investigator – Genome Technology Magazine, December 2012/January 2013. <https://www.genomeweb.com/clinical-genomics/fasil-tekola-ayele-genomics-podoconiosis>
- 2012 Spotlighted in the Year 2012 Alumni Magazine – University of Brighton Alumni Association, UK.
http://issuu.com/universityofbrighton/docs/the_brighton_effect_issue_29
- 2012 The publication Tekola Ayele et al 2012 *New Eng J Med* had received wide international recognition: the article has been selected as a Continuing Medical Education (CME) activity by the Massachusetts Medical Association; the *New Eng J Med* published an invited perspective article linked with the article; the NHGRI/NIH held a press release (<http://www.nih.gov/news/health/mar2012/nhgri-28.htm>); the Wellcome Trust held a press release (<http://www.wellcome.ac.uk/News/Media-office/Press-releases/2012/WTVM054822.htm>); NIH had included it in the NIH Research Matters news page (<http://www.nih.gov/researchmatters/april2012/04092012foot.htm>); the

Fogarty International Center had included it in the May/June Global Health Research Matters newsletter (<http://www.fic.nih.gov/News/GlobalHealthMatters/Documents/ghmmay-jun2012.pdf>); the Scientific American magazine had an invited blog entry highlighting the publication (<http://blogs.scientificamerican.com/guest-blog/2012/04/17/vanquishing-mossy-foot-with-genetic-epidemiology-and-shoes/>); the Center for Disease Prevention and Control (CDC) included the study in ‘CDC’s picks of the week’ (<http://www.cdc.gov/genomics/update/yr2012/apr05.htm>); NIH’s Deputy Director for Intramural Research Web Board featured it as the “cover image” for April 2012; and the study led to a new entry for podoconiosis in the Online Mendelian Inheritance in Man (OMIM number 614590, <http://omim.org/entry/614590>).

- 2011 Registration Fee Scholarship –Human Genome Variation and Complex Genome Analysis, Berkeley, California, USA, September 8-10, 2011.
- 2011 Young Researcher Oral Presentation Prize – Second place in the African Society of Human Genetics and South African Society of Human Genetics Joint meeting, Cape Town, South Africa, March 6-9, 2011.
- 2011 Travel Fellowship – African Society of Human Genetics, Cape Town, South Africa, March 6-9, 2011.
- 2010 Travel, tuition fee, accommodation and lodging scholarship – Wellcome Trust Advanced Courses, Genomic epidemiology in Africa, Kilifi, Kenya, Nov 28 – Dec 3, 2010.
- 2010 Travel, registration fee, accommodation and lodging scholarship (Bill and Melinda Foundation) – Global Health Challenges 2010 and Beyond, Royal Society of Tropical Medicine and Hygiene Biennial Meeting, Liverpool, UK, September 8-10, 2010.
- 2008 Outstanding Poster Presentation Award – NHGRI/NIH 2008 Scientific Retreat, Philadelphia, USA, Oct 21, 2008.
- 2008 Tuition fee scholarship – Basic Linkage and Association Course, Rockefeller University, New York, USA, Aug 2008.
- 2008 Tuition fee scholarship – Summer Institute of Statistical Genetics, University of Washington, Seattle, USA, July 2008.

TRAININGS/SHORT COURSES

- 2014 Sequence Analysis Workshop (University of Michigan, Center for Statistical Genetics, Ann Arbor, MI, December 8-12, 2014)
- 2013 The Translational Science Training Program (Sep 25 &26, 2013, NCATS, Rockville, MD, USA)
- 2012 Scientists Teaching Science: a 9-week course on subjects such as *inquiry-based science*, curriculum development, classroom dynamics, cultural awareness and diversity, assessments of learning environments, active learning and expert learners. (July-Oct 2012, OITE/NIH, Bethesda, NIH)
- 2012 Second short course on next generation sequencing: technology and statistical methods (Dec 10-13, 2012, University of Alabama in Birmingham, AL and HudsonAlpha Institute for Biotechnology in Huntsville, AL, USA)
- 2010 Wellcome Trust Advanced Courses, Genomic epidemiology in Africa (Nov 2010, Kilifi, Kenya)
- 2008 Basic Linkage and Association Course (Aug 2008, Rockefeller University, NY)
- 2008 Summer Institute of Statistical Genetics (July 2008, University of Washington, Seattle, USA)

- 2008 Molecular Medicine and Genomics in Africa (Jan 2008, Khartoum, Sudan)
 2006 Genetics for Epidemiologists Short Course (July 2006, Bristol University, Bristol, UK)

PRESENTATIONS/SCIENTIFIC CONFERENCES

A. Invited talks/seminars

- 2016 Genome-wide Association Studies Workshop. Entebbe, Uganda, Dec 12-23, 2016. Role: *trainer/facilitator*
 2016 National Institute on Minority Health and Health Disparities, NIH. Bethesda, MD, October 25, 2016. Title of talk: *Genetic-epidemiology of cardiometabolic diseases in African populations: old genes in modern Environments.*
 2014 Second African Diabetes Congress. Yaounde, Cameroon, February 25-28, 2014.
 Symposium talk: *Whole exome sequencing of African families with multiple type 2 diabetes affected members.*
 2013 American Society of Human Genetics Annual Meeting. Boston, MA, October 22-26, 2013.
 Speaker on an invited session: "Genetics of non-communicable diseases in sub-Saharan Africa". Title: *The African Genome Variation Project*
 2013 The 62nd American Society of Tropical Medicine and Hygiene Conference. Marriott Wardman Park, Washington DC, Nov 13-17, 2013. Speaker in a Symposium: "Tropical lymphedemas – Why bother to distinguish lymphatic filariasis from podoconiosis?". Title of presentation: *Podoconiosis etiology: from gene identification to implementation for disease prevention.*
 2012 The 13th World Congress on Public Health. Addis Ababa, Ethiopia, April 23-27, 2012.
 Speaker in the Public Health Genomics Session: *Public Health Translation of Genomics in Developing Countries: Example from Ethiopia.*

B. Oral presentations

- 2016 African Society of Human Genetics 9th Congress. Dakar, Senegal, May 15-17, 2016. *Next-generation sequencing technologies and data analysis: principles and examples.*
 2015 American Society of Human Genetics Annual Meeting. Baltimore, MD, October 6-10, 2015. *Exome-wide study identifies loci displaying pleiotropic associations with multiple cardiometabolic traits in continental Africans.*
 2015 Friday Floor Forum at NHGRI/NIH. Bethesda, MD, May 1, 2015: *From global public health to genomics and back: podoconiosis research.*
 2014 American Society of Human Genetics Annual Meeting. San Diego, CA, October 18-22, 2014. Platform talk: *Genome-wide analysis in Africans provides novel insight into the genetic basis of the metabolic syndrome.*
 2013 American Society of Human Genetics Annual Meeting. Boston, MA, October 22-26, 2013. Platform talk: *Multiple HLA loci and energy metabolism genes are targetted by recent positive selection.*
 2011 African Society of Human Genetics and South African Society of Human Genetics Joint meeting, cape Town, South Africa, March 6-9, 2011. Title: *The HLA class II locus confers susceptibility to podoconiosis (endemic non-filarial elephantiasis).* Also poster presentation at the Young Researchers Forum.
 2010 Global Health Challenges 2010 and Beyond, Royal Society of Tropical Medicine and Hygiene Biennial Meeting, Liverpool, UK, September 8-10, 2010. Title: *Tailoring consent processes in context for research on neglected tropical diseases: the case of podoconiosis research.*

- 2010 Molecular Medicine and Genomics in Africa, Zanzibar, Tanzania, January 28-31, 2010.
Title: Clinical grades, ethical issues and genetics of podoconiosis
- 2009 National Human Genome Research Institute/National Institute of Health, 2009
 Scientific Retreat, Philadelphia, USA, November 17-19, 2009. *Title: The genetic-epidemiology of podoconiosis.*
- 2008 Molecular Medicine and Genomics in Africa, Khartoum, Sudan, January 19-24, 2008.
Title: Informed consent process in genetic research.
- 2006 TB and HIV Modeling Conference, Stellenbosch, South Africa, November 6-8, 2006.
Title: The economic impact of HIV/AIDS morbidity and mortality on households in Addis Ababa, Ethiopia

C. Poster presentations

- 2016 African Society of Human Genetics 9th Congress. Dakar, Senegal, May 15-17, 2016. *Meta-analysis of exome-array studies in Africans identifies novel loci associated with lipid traits.*
- 2015 American Diabetes Association, Boston, MA, June 5-9, 2015. Title: *Whole exome sequencing in multiplex families identifies NLRP9 as a novel gene for type 2 diabetes.*
- 2014 Social and Behavioral Research Branch of the National Human Genome Research Institute 10 Year anniversary. Bethesda, MD, Janaury 13-14, 2014. *Title: Intersections of socio-behavioral and genetics research on podoconiosis.*
- 2013 National Human Genome Research Institute Annual Symposium, Bethesda, MD, December 12-13, 2013. *Title: The HLA locus and energy metabolism genes are involved in adaptation to environmental pressures.*
- 2011 The 12th International Meeting on Human Genome Variation and Complex Genome Analysis 2011, Berkeley, CA, 8th - 10th September, 2011. *Title: A genome-wide association study in African Americans uncovers loci influencing interleukin (IL)-10, and IL-1Ra plasma levels.*
- 2011 NIH Research Festival, Bethesda, USA, October 25, 2011. Title: *A genome-wide association study in African Americans uncovers loci influencing interleukin (IL)-10 and IL-1Ra plasma levels.*
- 2008 National Human Genome Research Institute/National Institute of Health, 2008
 Scientific Retreat, Philadelphia, USA, October 20-21, 2008. *Title: Trust, autonomy and informed consent: how voluntariness of consent to biomedical research may be subverted in a low-income setting*
- 2006 The Association of Physicians of Great Britain and Ireland Annual Meeting, King's College, London, UK, April 5-7, 2006. *Title: Economic costs of podoconiosis (endemic non-filarial elephantiasis) in Wolaita zone, Ethiopia*

D. Other conferences attended

- 2012 Genetics of the peoples of Africa and the Transatlantic African Diaspora: An international conference. Friday Center, University of North Carolina, Chapel Hill, NC, March 19-20, 2012.
- 2011 International Society of Infectious Diseases-Neglected Tropical Diseases (ISID-NTD 2011), Boston, Massachusetts, July 8-10, 2011.
- 2008 The American Society of Human Genetics Conference, 58th Meeting. Philadelphia, USA, November 11-15, 2008.

PUBLICATIONS

A. Peer-reviewed publications

1. **Tekola-Ayele F**, Peprah E. Genomics research for a new age: Examining how our shared evolutionary history shapes future disease outcomes. *Global Heart* (in press)
2. Rotimi CN, **Tekola-Ayele F**, Baker JL, Shriner D. The African diaspora: history, adaptation and health. *Curr Opin Genet Dev*, 41:77-84. 2016
3. Wanji S, Kengne-Ouafo JA, Datchoua-Poutcheu FR, Njouendou AJ, Tayong DB, Sofeu-Feugaing DD, Amvongo-Adjia N, Fovennso BA, Longang-Tchounkeu YF, **Tekola-Ayele F**, Enyong PA, Newport MJ, Davey G. Detecting and staging podoconiosis cases in North West Cameroon: positive predictive value of clinical screening of patients by community health workers and researchers. *BMC Public Health*. 16:997. 2016
4. **Tekola-Ayele F**, Doumatey A, Shriner D, Bentley AR, Chen G, Zhou J, Fasanmade O, Johnson T, Oli J, Okafor G, Eghan B, Agyenim-Boateng K, Adebamowo C, Amoah A, Acheampong J, Adeyemo A, Rotimi CN. Genome-Wide Analysis Identifies African-Ancestry Specific Variants for Metabolic Syndrome (*Mol Gen & Metabolism*, 2015 Oct 23. pii: S1096-7192(15)30066-4
5. Adebamowo SN, Adeyemo AA, **Tekola-Ayele F**, Doumatey AP, Bentley AR, Chen G, Zhou J, Shriner D, Fasanmade OA, Okafor G, Eghan B Jr, Agyenim-Boateng K, Adeleye J, Balogun W, Amoah AG, Owusu S, Acheampong J, Johnson T, Oli J, Adebamowo CA, Rotimi CN. Impact of Type 2 Diabetes on Impaired Kidney Function in Sub-Saharan African Populations. *Front Endocrinol (Lausanne)*. 2016 May 30;7:50
6. Shriner D, **Tekola-Ayele F**, Adeyemo A, Rotimi CN. Ancient Human Migration after Out-of-Africa. *Scientific Reports* 2016 May 23;6:26565.
7. Adeyemo AA, **Tekola-Ayele F**, Doumatey AP, Bentley AR, Chen G, Huang H, Zhou J, Shriner D, Fasanmade O, Okafor G, Eghan B Jr, Agyenim-Boateng K, Adeleye J, Balogun W, Elkahloun A, Chandrasekharappa S, Owusu S, Amoah A, Acheampong J, Johnson T, Oli J, Adebamowo C, Collins F, Dunston G, Rotimi CN. Evaluation of Genome Wide Association Study Associated Type 2 Diabetes Susceptibility Loci in Sub Saharan Africans. *Front Genet*. 2015 Nov 24; 6:335
8. Gurdasani D*, Carstensen T*, **Tekola-Ayele F*** (*joint first author), Pagani L*, Tachmazidou I*, Hatzikotoulas K, Karthikeyan S, Iles L, Pollard MO, Choudhury A, Ritchie GR, Xue Y, Asimit J, Nsubuga RN, Young EH, Pomilla C, Kivinen K, Rockett K, Kamali A, Doumatey AP, Asiki G, Seeley J, Sisay-Joof F, Jallow M, Tollman S, Mekonnen E, Ekong R, Oljira T, Bradman N, Bojang K, Ramsay M, Adeyemo A, Bekele E, Motala A, Norris SA, Pirie F, Kaleebu P, Kwiatkowski D, Tyler-Smith C, Rotimi C, Zeggini E, Sandhu MS. The African Genome Variation Project shapes medical genetics in Africa. *Nature*. 2014 Dec 3. doi: 10.1038/nature13997. My specific contributions include development of analysis plan, genomic data cleaning, data analysis particularly on fine-mapping of disease risk loci and linkage disequilibrium decay mapping.
9. **Tekola-Ayele F**, Rotimi CN. Translational Genomics in Low- and Middle-Income Countries: Opportunities and Challenges. *Public Health Genomics*. 2015; 18(4):242-7.
10. Gebreab S, Riestra P, Khan R, Xu R, Musani S, **Tekola-Ayele F**, Correa A, Wilson J, Rotimi C, Davis S. Genetic Ancestry Is Associated With Measures of Subclinical Atherosclerosis in African-Americans: The Jackson Heart Study. *Arterioscler Thromb Vasc Biol*. 2015; 35(5):1271-8.
11. Adeyemo A, **Tekola-Ayele F**, Doumatey A, Bentley AR, Chen G, Huang H, Zhou J, Shriner D, Fasanmade O, Okafor G, Eghan B, Agyenim-Boateng K, Adeleye J, Balogun W, Elkahloun A, Chandrasekharappa S, Owusu S, Amoah A, Acheampong J, Ngare D, Johnson T, Oli J, Adebamowo C, Collins F, Dunston G, the MEDIA Consortium, Rotimi CN. Evaluation of Genome-wide Association Study Associated type 2 Diabetes Loci in sub-Saharan Africans. (*Frontiers in Genetics*, in press).

12. Riester P, Gebreab S, Xu R, Khan RJ, Bidulescu A, Correa A, **Tekola-Ayele F**, Davis SK. Gender-specific associations between ADIPOQ gene polymorphisms and adiponectin levels and obesity in the Jackson Heart Study Cohort. *BMC Medical Genetics*. 2015; 16(1):65
13. **Tekola-Ayele F**, Adeyemo A, Chen G, Hailu E, Aseffa A, Davey G, Newport MJ, Rotimi CN. Novel genomic signals of recent selection in an Ethiopian population. *Eur J Hum Genet*. 2014 Nov 5. doi: 10.1038/ejhg.2014.233
14. Chen G, Yuan A, Shriner D, **Tekola-Ayele F**, Zhou J, Bentley AR, Zhou Y, Wang C, Newport MJ, Adeyemo A, Rotimi CN. An Improved Fst estimator. *PLoS One* 2015;10(8):e0135368..
15. Peprah E, Xu H, **Tekola-Ayele F**, Royal CD. Genome-Wide Association Studies in Africans and African Americans: Expanding the Framework of the Genomics of Human Traits and Disease. *Public Health Genomics*. 2014 Nov 26.
16. Shriner D, **Tekola-Ayele F**, Adeyemo A, Rotimi C. Genome-wide genotype and sequence-based reconstruction of the 140,000 year history of modern human ancestry. *Scientific reports* 2014 Aug 13; 4: 6055.
17. **Tekola-Ayele F**, Adeyemo A, Rotimi C. Genetic-epidemiology of type 2 diabetes and cardiovascular diseases. *Prog Cardiovasc Dis* Nov 2013, 56(3):251-60.
18. Tamiru A, Tsegay G, Wubie M, Gedefaw M, Tomczyk S, **Tekola-Ayele F**. Podoconiosis patients' willingness to pay for treatment services in Northwest Ethiopia: potential for cost recovery. *BMC Public Health*. 2014 Mar 19;14(1):259.
19. **Tekola-Ayele F**, Adeyemo A, Hailu E, Finan C, Davey G, Rotimi C, Newport MJ. Clinical and pharmacogenomic implications of genetic variations in an Ethiopian population. *Pharmacogenomics J*. 2014 Jul 29. doi: 10.1038/tpj.2014.39.
20. Deribe K, Tomczyk S, **Tekola-Ayele F**. Ten Years of Podoconiosis Research in Ethiopia. *PLoS Negl Trop Dis* 2013, 7(10): e2301. doi:10.1371/journal.pntd.0002301
21. **Tekola-Ayele F**, Alemu G, Davey G, Ahrens C. Community-based survey of podoconiosis in Bedele Zuria woreda. *International Health* 2013, 5:119-125.
22. **Tekola-Ayele F**, Adeyemo A, Finan C, Hailu E, Sinnott P, Diaz Burlington N, Aseffa A, Rotimi CN, Newport MJ, Davey G. The HLA class II locus confers susceptibility to podoconiosis. *New England Journal of Medicine* 2012, 366(13):1200-8.
23. **Tekola-Ayele F**, Adeyemo A, Rotimi CN. Using a “genomics tool” to develop disease prevention strategy in a low-income setting: lessons from the podoconiosis research project. *Journal of Community Genetics* 2012, 3(4):303-9.
24. Kraja A, Dupuis J, Chasman D, North K, Reiner A, Yanek LR, Kilpeläinen T, Smith J, Dehghan A, Johnson AD, Feitosa M, **Tekola-Ayele F**, Chu A, Nolte I, Dastani Z, Morris A, Pendergrass S, Sun Y, Ritchie M, Vaez A, Lin H, Ligthart S, Marullo L, Rohde R, Shao Y, Jørgensen Y, Jørgensen M, Hansen T, Pedersen O, Stolk RP, Snieder H, Hofman A, Uitterlinden A, Franco O, Ikram A, Ridker P, Becker P, Rotter J, Kardia S, Loos R, Larson M, Hsu Y, Province M, Tracy R, Voight B, Vaidya D, O'Donnell C, Benjamin E, Alizadeh B, Prokopenko I, Borecki I, Meigs JB. Pleiotropic genes for metabolic syndrome and inflammation. *Molecular Genetics and Metabolism* 2014. Aug;112(4):317-38. doi: 10.1016/j.ymgme.2014.04.007.
25. Doumatey AP, Chen G, **Tekola-Ayele F**, Zhou J, Erdos M, Shriner D, Huang H, Adeleye J, Balogun W, Fasanmade O, Johnson T, Oli J, Okafor G, Amoah A, Eghan BA, Agyenim-Boateng K, Acheampong J, Adebamowo C, Gerry NP, Christman MF, Adeyemo A, Rotimi CN. C-reactive protein (CRP) promoter polymorphisms influence circulating CRP levels in a genome-wide association study of African Americans. *Hum Mol Genet*. 2012, 21:3063-72.
26. **Tekola-Ayele F**, Hailu E, Finan C, Aseffa A, Davey G, Newport MJ, Rotimi CN, Adeyemo A. Prediction of HLA class II alleles using SNPs in an African population. *PLoS ONE* 2012, 7(6):e40206.doi:10.1371/journal.pone.
27. Bull S, Farsides B, **Tekola-Ayele F**. Tailoring information provision and consent processes to research contexts: the value of rapid assessments. *J Empir Res Hum Res Ethics* 2012, 7(1):37-52.

28. Geshere Oli G, **Tekola-Ayele F**, Petros B. Parasitological, serological, and clinical evidence for high prevalence of podoconiosis (non-filarial elephantiasis) in Midakegn district, central Ethiopia. *Trop Med Int Health* 2012, 17(6):722-726.
29. **Tekola-Ayele F**, Doumately A, Huang H, Zhou J, Charles B, Erdos M, Adeleye J, Balogun W, Fasanmade O, Johnson T, Oli J, Okafor G, Amoah A, Eghan BA Jr, Agyenim-Boateng K, Acheampong J, Adebamowo CA, Herbert A, Gerry N, Christman M, Chen G, Shriner D, Adeyemo A, Rotimi CN. Genome-wide associated loci influencing interleukin (IL)-10, IL-1Ra, and IL-6 levels in African Americans. *Immunogenetics* 2012, 64(5):351-9. My specific contributions were: data analysis, interpretation, and writing of the draft manuscript.
30. Davey G, Bockarie M, Wanji S, Addiss D, Fuller C, Fox L, Mycoskie M, Gruin M, Tsegaye A, **Tekola-Ayele F**, Newport M. Launch of the international podoconiosis initiative. *Lancet* 2012, 379(9820):1004.
31. Alemu G, **Tekola-Ayele F**, Daniel T, Ahrens C, Davey G. Burden of podoconiosis in poor rural communities in Gulliso woreda, west Ethiopia. *PLoS Negl Trop Dis*, 2011, 5(6):e1184.
32. Belayneh Y, **Tekola F**, Madeo M, Resti C. Task-shifting of HIV/AIDS services down the professional ladder: Current status in Ethiopia and lessons from other African countries. *Ethiop J. Health Dev*, 2009, 23(3):234-235.
33. **Tekola F**, Bull SJ, Farsides B, Newport MJ, Adeyemo A, Rotimi C, Davey G. Tailoring consent to context: designing an appropriate consent process for a biomedical study in a low income setting. *PLoS Negl Trop Dis*, 2009, 3(7): e482. doi:10.1371/journal.pntd.0000482
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